

Storm Data and Unusual Weather Phenomena - February 2014

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

IOWA, Southwest

(IA-Z069) POTTAWATTAMIE, (IA-Z079) MILLS, (IA-Z080) MONTGOMERY

| | | |
|--------------------|---|----------------|
| 02/04/14 10:00 CST | 0 | Winter Weather |
| 02/05/14 03:00 CST | 0 | |

(IA-Z090) FREMONT, (IA-Z091) PAGE

| | | |
|--------------------|---|--------------|
| 02/04/14 10:00 CST | 0 | Winter Storm |
| 02/05/14 02:00 CST | 0 | |

A potent storm system moved out of the desert southwest and into the central Plains during Tuesday February 4th, and exited the region early on the morning on the 5th. As this storm system moved toward the area, low pressure developed over the southern Plains and moved into the mid Mississippi Valley. To the north of the low pressure, snow spread north into eastern Nebraska and western Iowa during the morning on the 4th and continued into the early morning hours on the 5th. The heaviest snowfall occurred during the late morning and into the mid afternoon hours across western Iowa and eastern Nebraska. As the low moved off to the east during the afternoon, winds became north and increased to 15 to 25 mph with gusts over 30 mph. This created blowing and drifting snow with some drifts up to two feet deep.

(IA-Z043) MONONA, (IA-Z055) HARRISON, (IA-Z056) SHELBY, (IA-Z069) POTTAWATTAMIE, (IA-Z079) MILLS, (IA-Z080) MONTGOMERY, (IA-Z090) FREMONT, (IA-Z091) PAGE

| | | |
|--------------------|---|-----------------|
| 02/05/14 00:00 CST | 0 | Cold/Wind Chill |
| 02/05/14 08:00 CST | 0 | |

Arctic high pressure pushed into the mid Missouri River Valley on February 5th behind a strong storm system that moved across the central Plains. The combination of the high over the northern plains and the storm system over the central plains created a strong pressure gradient across the area bringing brisk northwest winds. As temperatures fell into the single digits above and below zero during the early morning hours of February 5th, the brisk winds created bitterly cold wind chill values that ranged from 15 to 25 below zero.

NEBRASKA, East

(NE-Z068) OTOE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE, (NE-Z090) JOHNSON, (NE-Z091) NEMAHA, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON

| | | |
|--------------------|---|--------------|
| 02/04/14 07:00 CST | 0 | Winter Storm |
| 02/05/14 03:00 CST | 0 | |

(NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z066) LANCASTER, (NE-Z067) CASS, (NE-Z078) SALINE

| | | |
|--------------------|---|----------------|
| 02/04/14 10:00 CST | 0 | Winter Weather |
| 02/05/14 05:00 CST | 0 | |

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(NE-Z011) KNOX, (NE-Z012) CEDAR, (NE-Z015) THURSTON, (NE-Z016) ANTELOPE, (NE-Z017) PIERCE, (NE-Z018) WAYNE, (NE-Z030) BOONE, (NE-Z031) MADISON, (NE-Z032) STANTON, (NE-Z033) CUMING, (NE-Z034) BURT, (NE-Z042) PLATTE, (NE-Z043) COLFAX, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z066) LANCASTER, (NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z078) SALINE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE, (NE-Z090) JOHNSON, (NE-Z091) NEMAHA

| | | |
|--------------------|---|-----------------|
| 02/04/14 22:00 CST | 0 | Cold/Wind Chill |
| 02/05/14 10:00 CST | 0 | |

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| | 02/24/14 10:00 CST | | 0 | Winter Weather |
| | 02/24/14 21:00 CST | | 0 | |

An upper level storm system moved across the northern Plains on the morning of February 25th. This storm system moved along a strong temperature gradient over the central and northern Plains producing a band of accumulating snowfall over northeast Nebraska. The snow started falling during the morning hours and periods of snow, moderate at times, fell through the day ending during the evening on the 24th. Little wind occurred during the snow limiting impacts to mainly travel inconvenience. Total snowfall from the event ranged from 3 to 7 inches.